

ARUTYUNOV, V.Ya.; GOLEMBA, P.I.; ODINOKOVA, V.A.

Skin changes in reticulosis. Klin.med. 38 no.7:120-128 (MIRA 13:12)
'60.

(RETICULO-ENDOTHELIAL SYSTEM--DISEASES)
(SKIN--DISEASES)

ARUTYUNOV, V.Ya.; GOLEMB, P.I.; ODINKOVA, V.A.

Clinical and pathoanatomic symptoms and course of reticulosis of the skin. Vop. klin. pat. no.2:252-256 '61 (MIRA 16:12)

1. Iz kliniki kozhnykh bolezney (zav. - prof. V.Ya. Arutyunov) i patoanatomicheskogo otdela (zav. - prof. S.B. Vaynberg (deceased)) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirskego.

ARUTYUNOV, V.Ya., prof.; GURVICH, Ye.I., prof.; GOLENBA, P.I., kand.med.nauk

Skin manifestations in nodular vasculitis. Vest.derm.i ven. no.5:
29-33 '61. (MIRA 14:12)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof.
V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo
klinicheskogo instituta imeni M.F. Vladimirovskogo (dir. - kand.
med.nauk P.M. Leonenko).

(BLOOD VESSELS—DISEASES) (SKIN)

ARUTYUNOV, V.Ya., prof.

Urticaria. Zdorov'e 7 no.7:30 JI '61,
(UTICARIA)

(MIRA 14:6)

ARUTYUNOV, V. Ya., prof.

Microbes on the skin. Zdorov'e 7 no. 3:18-19 Ag '61. (MIRA 14:9)
(SKIN CARE AND HYGIENE)

ARUTYUNOV, V.Ya., prof.

Prevention and treatment of purulent diseases of the skin and occupational dermatoses in workers of some industries in Moscow Province. Sov.med. no.3:105-111 '62. (MIRA 15:5)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof. V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta (dir. - zasluzhennyy vrach RSFSR P.M. Leonenko).

(SKIN---DISEASES) (MOSCOW PROVINCE---OCCUPATIONAL DISEASES)

ARUTYUNOV, V.Ya.: prof.

Sandals in public baths. Zdrov'e 8 no.3:19 M. '62. (MIRA 15:4)
(BATHS, PUBLIC--HYGIENIC ASPECTS)

ARUTYUNOV, V.YA.

"Some problems of pathogenesis and evolution of psoriasis. "

Report submitted for the Czech. Medical Congress, Medical Society of
J.E. Purkyně, Prague, Czech 12-17 Nov 1962

ARUTYUNOV, V.Ya., prof.; GOLEMB, P.I., kand.med.nauk

Controversial problems in hemoderma. Vest.derm.i ven. no.8:
7-13 '62. (MIRA 15:9)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof.
V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'-
skogo klinicheskogo instituta imeni M.F. Vladimirovskogo (dir. -
zasluzhennyy vrach respubliky P.M. Leonenko).
(BLOOD--DISEASES) (SKIN--DISEASES)

ARUTYUNOV, V.Ya., prof.

Neurodermatoses. Zdorov'e 8 no.9:16-17 S '62. (MIRA 15:9)
(SKIN--DISEASES) (NERVOUS SYSTEM---DISEASES)

ARUTYUNOV, V.Ya., prof.; GOLEMBA, P.I., kand.med.nauk

Eosinophilic reticulosis of the skin. Sov.med. 26 no.8:112-118 Ag
'62. (MIRA 15:10)

1. Iz kliniki dozhnykh i venericheskikh bolezney (dir. - prof.
V.Ya.Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo
klinicheskogo instituta imeni M.F.Vladimirskogo (dir. - kand.med.
nauk P.M.Leonenko).

(LEUKEMIA) (SKIN--DISEASES)

ARUTYUNOV, V.Ya.; PODOL'SKAYA, T.N.

Griseofulvin, an effective preparation in the treatment of
fungal diseases. Sov.Med. 27 no.7:45-50 J1'63. (MIRA 16:9)

1. Iz kliniki kozhnykh i venericheskikh bolezney (dir. - prof.
V.Ya.Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'-
skogo klinicheskogo instituta imeni M.F.Vladimirovskogo (dir.
zasluzhennyy vrach RSFSR P.M.Leonenko)
(MEDICAL MYCOLOGY) (GRISEOFULVIN)

ARUTYUNOV, V.Ya., prof.; VARIN, I.Ye., vrach; GUSAROVA, A.S., kand.med.nauk
ROZENTUL, L.M., vrach-kosmetolog; ROSSOVA, M.M., kand.biolog.nauk;
ALEKSANDROV, B.; GOLYAKHOVSKIY, V.Yu., kand.med.nauk

Health hints. Zdorov'ye 9 no.4:30-31 Ap'63.
(HYGIENE)

(MIRA 16:7)

ARUTYUNOV, V.Ya., prof.; KRAVCHENKO, A.A., doktor med. nauk; ODINGKOVA, V.A.,
kand. med. nauk

Wegener's syndrome. Vest. dermat. i ven. 37 no.5:30-35 My '63.
(MIRA 17:5)

1. Klinika kozhnykh i venericheskikh bolezney (dir. - prof. V.Ya. Arutyunov) otolaringologicheskaya klinika (dir. - zaslužennyy deyatel' nauki prof. I.Ya. Sendul'skiy) i patomorfologicheskii otdel (zav. - chlen-korrespondent AMN SSSR prof. A.P. Avtsyn) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirovskogo (dir. - zaslužennyy vrach P.M. Leonenko).

ARUTYUNOV, Vardan Yakovlevich; GOLEMBA, Pavel Iosifovich;
MASHKILLEYSON, L.N., red.

[Hemodermatoses] Gemodermii. Moskva, Meditsina, 1964.
302 p. (MIRA 17:8)

KASHKIN, P.N., prof.; ARUTYUNOV, V.Ya., prof.; KHESIN, I.I.; YRPLIYD, V.V.,
dotsent (Frunze)

Book reviews. Vest. dermat. i ven. 38 no.4:90-93 Ap '64. (MIRA 18:4)

1. Predsedatel' Khmel'nitskogo oblastnogo nauchno go ~~obshchestva~~
vrachey dermatovenerologov (for Khesin).

STUDNITSIN, A.A., prof.; SMELOV, N.S.; ARUTYUNOV, V.Ya., prof.

Work of the Rumanian National Conference on Dermatology. Vest. dermat.
1 ven, 38 no, 6:69-74 Je '64. (MIRA 18:6)

ARUTYUNOV, Ye.S.

Changes in vegetative functions in schizophrenia patients during the process of treatment with insulin shock combined with aminazine. Zhur. nevr. i psikh. 65 no.2:283-287 '65.

(MIRA 18:9)

1. Kafedra psikhiatrii (zaveduyushchiy - prof. D.S. Ozeretskovskiy)
1-go Leningradskogo meditsinskogo instituta im. I.P. Pavlova.

ARUTYUNOV, Ye.S.

Apparatus for investigation of the knee jerk reflex (reflexometer).
Zhur.nevr.i psikh. 53 no.11:882-884 N '53. (MLRA 6:12)

1. Psikhiatricheskaya klinika I Leningradskogo meditsinskogo instituta
im. I.P.Pavlova.

(Reflexes)

AGEYEVA, A.N.; ARUTYUNOV, Ye.S.; SLUTSKINA, P.I.

Etiology, pathogenesis, and therapy of acute delirium. Zhur.
nevr. i psikh. 55 no.8:566-575 '55. (MLRA 8:10)

1. Psikhiatriceskoye otdeleniye (i.o.zav. T.Ya.Khrilivitskiy)
Leningradskogo psikhonevrologicheskogo instituta imeni
V.M.Bekhtereva.

(DELIRIUM,
etio., pathogen. & ther.)

ARUTYUNOV, Ye. S. Cand Med Sci -- (diss) "Vegetative variations and certain peculiarities of the higher nervous activity in schizophrenic patients during the process of so-called active methods of treatment." Len, 1958
10 pp (Min of Health RSFSR. 1st Len Med Inst im Academician I. P. Pavlov),
200 copies (KL, 52-53, 106)

442 -105-

ARUTYUNOV, Ye. S.

Changes in the vegetative functions and individual peculiarities
of the higher nervous activity of schizophrenics during active therapy.
Vop. psikh. i nevr. no.3:289-305 '58. (MIRA 12:3)

1. Iz psikhiatricheskoy kliniki I Leningradskogo meditsinskogo institut
im. akademika I.P. Pavlova i Leningradskogo psikhonevrologicheskogo
instituta im. V. M. Bekhtereva.
(SCHIZOPHRENIA) (NERVOUS SYSTEM)

ARUTYUNOV, Yb.S.; ZUBAREVA, Z.P.

Psychosis in lipogranulomatosis (disseminated and abscessed).
Zhur. nevr. i psikh. 61 no.5:750-755 '61. (MIRA 14:7)

1. Psikhiatriceskaya klinika (zav. - prof. D.S.(zeretskovskiy)
I Leningradskogo meditsinskogo instituta imeni I.P.Pavlova i 2-y
Leningradskoy psikhonevrologicheskoy bol'nitsy (glavnyy vrach
T.I.Nikolayeva).

(LIPIDOSIS)

(PSYCHOSES)

ARUTYUNOV, Ye.S.; KALKUN, V.R.

Pick's disease. Vop. psikh. i nevr. no.9:427-434 '62.
(MIRA 17:1)

1. Psikhiatricheskaya klinika (zav. - prof. D.S.
Ozeretskovskiy); 2. Klinika nervnykh bolezney (zav. - prof.
D.K. Bogorodinskiy) 1-go Leningradskogo meditsinskogo
instituta imeni akademika I.P. Pavlova.

ARUTYUNOV, Ye.S.

Asymmetry of autonomic reactions in schizophrenic patients.

Vop.psikh.i nerv. 8:359-370 '62.

(MIRA 17:4)

1. Iz psikhiatricheskoy kliniki 1-go Leningradskogo meditsinskogo instituta imeni akademika Pavlova i Leningradskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtoreva.

ARUTYUNOV, Yuriy Ivanovich; KRIKUN, Zakhar Nikitovich; GOR'KOVA,
A.A., ved. red.; VORONOVA, V.V., tekhn. red.

[Frequency-type telemetering devices and their use in the
petroleum industry] Chastotnye teleizmeritel'nye ustroistva
i opyt ikh primeneniia v neftianoi promyshlennosti. Moskva,
Gostoptekhnizdat, 1963. 44 p. (Telemetering) (MIRA 16:6)
(Petroleum industry--Electronic equipment)

ARUTYUNOV, Yu. I.; FRID, M. M.; BRESHCHENKO, V. Ya.; PINCHEVSKAYA, S. I.;
FRID, Ye. B.

Chromathermographic analysis of a stock and of pyrolysis
products in a flow. Khim. i tekhn. topl. i masel. 8 no. 3:
43-47 Mr '63. (MIRA 16:4)

1. Grozneneskiy filial "VNIKAneftegaz".
(Petroleum—Analysis)
(Chromatographic analysis)
(Pyrolysis)

ARUTYUNOV, YU. S.

Arutyunov, Yu. S.

"Some problems of working metals with pressure." Moscow State U
imeni M. V. Lomonosov. Moscow, 1956 (Dissertation for the degree
of Candidate in Physicomathematical Science)

Knizhnaya letopis'
No. 25, 1956. Moscow

SOV/137-58-11-22334

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 70 (USSR)

AUTHOR: Arutyunov, Yu. S.

TITLE: Rolling Thin Sheet (Prokatka tonkogo lista)

PERIODICAL: Vestn. Mosk. un-ta. Ser. matem., mekhan., astron., fiz., khimii, 1957, Nr 4, pp 17-27

ABSTRACT: An examination is made of a steady regime of cold rolling in which the material being processed, which is comparatively thin, rectangular sheet, is rolled between two rigid, practically undeformable cylindrical rolls of identical diameter, rotating in opposite directions. Left out of consideration are the elastic deformations (D) of the metal (Me) being processed and of the roll stand, while the intensity of the stresses is taken to be constant. The working hypotheses used are those of A. A. Il'yushin: by contact friction and the kinematics of plastic masses in motion. Taking into consideration the existence of two zones of friction (Coulomb and Prandtl) in finding the true pressure, a complete solution for the rolling problem is found for any degree of reduction, with derivation of formulas for the distribution of the generalized pressure, the true pressures, the rates of flow, and the spread

Card 1/2

Rolling Thin Sheet

SOV/137-58-11-22334

of the metal in the contact area. The formulas for distribution of the generalized pressure prove A. A. Il'yushin's theorem for any level of reduction; when thin sheet is rolled, there is only one point of adhesion along the line $y_1=0$ if the width of the sheet is equal to or larger than the width of the contact area, but a segment of adhesion exists if the sheet is less than the length of the contact area.

V. D.

Card 2/2

S/179/63/000/001/024/031
E191/E135

AUTHORS: Arutyunov, Yu.S., and Gonor, A.I. (Moscow)
TITLE: The upsetting of a thin forging of arbitrary planform
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye
tekhnicheskikh nauk. Mekhanika i mashinostroyeniye,
no.1, 1963, 166-171

TEXT: A body of plastic material to be forged is compressed between two practically undeformable surfaces of a die approaching each other. At an initial instant, the blank is bounded by a given arbitrary contour. The thickness of the forged material can be non-uniform but varies smoothly. The thickness dimensions are small compared with the planform. The spreading in planform is unrestrained. Referring to A.A. Il'yushin (PMM, v.19, no.6, 1955) the generalized pressure is written down. The mathematical derivation leads to a Cauchy type problem, the general solution of which is given. The examples of a rectangular plate and of a tapered rectangular plate are treated in detail. The regions of flow and the distribution of pressure are obtainable from given

Card 1/2

The upsetting of a thin forging ...

S/179/63/000/001/024/031
E191/E135

formulas. Regions of flow are illustrated diagrammatically in both cases. For the tapered plate, the boundaries between Coulomb and Prandtl friction regions are given. There are 4 figures.

SUBMITTED: July 11, 1962

Card 2/2

L 27895-66 EWT(d)/EEC(k)-2

ACC NR: AR5018106

SOURCE CODE: UR/0271/65/000/007/A029/A029

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 7A204

AUTHOR: Arutyunov, Yu. V.; Gabashvili, N. V.; Kamkamidze, K. N. 11
B

TITLE: Measuring and amplifying units of an electrohydraulic regulator containing magnetic amplifiers and semiconductors..

CITED SOURCE: Tr. Gruz. politekhn. in-t, no. 4(97), 1964, 113-121

TOPIC TAGS: electrohydraulic regulator, power regulator, frequency regulator

TRANSLATION: Measuring and amplifying units are described of an electrohydraulic frequency and power regulator used in power systems. A regulator block diagram, a magnetic-amplifier measuring circuit, and a transistorized measuring and amplifying circuit are explained. The above units comprise: a primary-parameter input and summation unit, a phase-sensitive circuit, an amplifier, and external feedback, and a damper. A resonant circuit is used as a frequency sensor. Power is measured by an MDM-4 sensor. The total a-c control signal is converted into a d-c signal and applied to the amplifier and then to the actuating unit. The magnetic

Card 1/2

UDC:62-52:621.375

L 27895-66

ACC NR: AR5018106

-amplifier time constant is 0.0008 sec. The input and phase-sensitive parts of the transistorized unit are similar to the magnetic-amplifier unit. A P4-A transistor is used in the amplifier circuit. Bib 3, figs 6.

SUB CODE: 10, 09

Card 2/2

MAGDIYEV, R.R.; DZHABRIYEV, N.I.; ZUYEVA, Ye.V.; ARUTYUNOVA, A.A.;
YEMYASHEVA, Z.I.; STREL'NIKOVA, G.A. ; ABUNAGIMOV, Kh.Z.

Expérience in the organization of taeniarhynchosis control
directed at its liquidation. Med. paraz. i paraz. bol. 34
no.2:133-139 Mr-Ap '65. (MIRA 18:11)

1. Uzbekskiy institut eksperimental'noy meditsinskoy parazitologii
i gel'mintologii, g. Samarkand, i Gorodskaya bol'nitsa, Rayonnaya
sanitarno-epidemiologicheskaya stantsiya, g. Katta-Kurgana.

SHUL'GINA, Ye.M.; ARUTYUNOVA, A.Kh.; BLYUMSHTEYN, A.Ye.

Improving the method for determining the hydrogen sulfide content in gases. Nefteper. i neftekhim. no. 3:26-29 '64. (MIRA 17:5)

1. Novo-Bakinskiy neftepererabatyvayushchiy zavod.

ARUTYUNCVA, A.S.

Growth of the aural cortex and of the internal geniculate body in
ontogenesis of man. Doklady Akad. nauk SSSR 78 no.3:609-611
21 May 1951. (CML 20:9)

1. Presented by Academician A.I. Abrikosov 28 March 1951.

ARUTYUNOVA, A.S.; BLINKOV, S.M.

Simultaneous function of both hemispheres in focal lesions of the human brain. Zhur.vys.nerv.defiat. 4 no.5:651-661 S-O '54.(MIRA 8:7)

1. Institut neyrokhirurgii im. N.N.Burdenko AMN SSSR.
(BRAIN, neoplasms,
simultaneous work of cerebral hemispheres in focal
lesions)

ARUTYUNOVA, A. S.

"The Upper Temporal Convolution and the Medial (Internal)
Geniculate Body of Man." Cand Med Sci, Acad Med Sci USSR, Moscow,
1955. (RL, No 11, Mar 55)

SO: Ser. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

ARUTYUNOVA, A.S.

Projection of the internal corpus geniculatum to the cortex of
the temporal lobe in man. Vopr. neirokhir. 20 no.1:23-29 Ja-F '56
(MLPA 9:6)

1. Iz Nauchno-issledovatel'skogo ordena Trudovogo krasnogo
znameni instituta neyrokhirurgii imeni akademika N.N. Burdenko
Akademii meditsinskikh nauk SSSR.

(BRAIN, neoplasms
eff. on corpus geniculatum)

ARUTYUNOVA, A.S.

Vessels of the pia mater and arachnoid endotheliomas of the convex surface of the brain. [with summary in English, p.63] Vopr. neirokhir. 22 no.4:18-24 Jl-Ag '58 (MIRA 11:9)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.

(BRAIN NEOPLASMS, physiology,

vascularization of pia mater & arachnoid endothelioma of brain surface (Rus))

(PIA MATER, blood supply, same (Rus))

ARUTYUNOVA, A.S.; BLINKOV, S.M.

Latent period of a simple motor reaction in focal brain injuries.
Zhur. nerv. i psikh. 61 no. 1:19-24 '61. (MIRA 14:4)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni N.N. Burdenko AMN SSSR, Moskva.
(BRAIN—WOUNDS AND INJURIES) (MOVEMENT (PHYSIOLOGY))

ARUTYUNOVA, A.S., kand.med.nauk

Changes in the brain tissue in arachnoidendotheliomas receiving
supplementary blood supply from the pia mater arteries. Probl.
sovr.neirokhir. 3:363-379 '59. (MIRA 16:6)
(BRAIN--TUMORS) (BRAIN--BLOOD SUPPLY)

ARUTYUNOVA, A.S.

Quantitative relations between capillaries and cellular elements
in compressed portions of the brain; preliminary report. Vop.
neirokhir. 28 no.2:29-32 Mr-Ap '64.

(MIRA 18.2)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni N.N. Burdenko (direktor - prof.
B.G. Yegorov) AMN SSSR, Moskva.

ARUTYUNOVA, A.S.; BLINKOV, S.M., prof.; LUISILLO, M.V.

Density of capillary network in the formations of the dog brain.
Arkh. anat., gist. 1 embr. 49 no. 8-28-55 ag '55.

(MIRA 18:9)

1. Laboratoriya neyrokhirurgicheskoy anatomii (zav. prof.
S.M. Blinkov) Nauchno-issledovatel'skogo ordena Trudovogo
Krasnogo Znameni instituta neyrokhirurgii imeni akademika
N.N. Burdenko AMN SSSR, Moskva.

ARUTYUNOVA, E.O.

Kislovsk health resort polyclinic. Vop.kur., fizioter. i lech.
fiz. kul't. 22 no.2:65-66 Mr-Ap '57. (MIRA 11:1)

1. Glavnyy vrach Kislovodskoy kurortnoy polikliniki.
(KISLOVODSK--HOSPITALS--OUTPATIENT SERVICES)

9(2)

SOV/107-59-4-39/45

AUTHOR: Ar^Utyunova, I., Sukhenko, T. (Baku)

TITLE: AC Voltage Stabilization by One Gas-Discharge Stabilizer Tube (Stabilizatsiya peremennogo napryazheniya odnim gazorazryadnym stabilitronom)

PERIODICAL: Radio, 1959, Nr 4, p 56 (USSR)

ABSTRACT: AC voltage stabilization circuits usually are composed of two gas-discharge tubes as shown in Figure 1. The authors found that the application of one SG-2P gas-discharge tube will provide an equal stabilization effect. Figure 2 shows a voltage stabilization circuit with one gas-discharge tube. The authors have the opinion that the latter circuit will be adequate in a number of possible applications. There are 2 circuit diagrams and 1 graph.

Card 1/1

ARUTYUNOVA, I. A. (Engineer)

"Submerged Arc Welding of Copper Alloys (Bronze Type)
Using Ceramic Fluxes," p. 189 in book Reports of the Interuniversity
Conference on Welding, 1956. Moscow, Mashgiz, 1958, 266pp.

Arutyunova, I. A.

137-58-1-864

Translation from: Referativnyy zhurnal, Metallurgiya, Nr 1, p 124 (USSR)

AUTHORS: Arutyunova, I. A., Frolov, V. V.

TITLE: Automatic Ceramic-flux Submerged-arc Consumable-electrode Welding of Copper Alloys (Avtomaticheskaya svarka mednykh splavov plavyashchimsya elektrodom pod slozem keramicheskogo flyusa)

PERIODICAL: V sb.: Prochnost' i avtomatizatsiya svarki (MVTU, 71). Moscow, Mashgiz, 1957, pp 105-115

ABSTRACT: An investigation has been made of automatic welding of chromium bronze Br. Kh-1 with a standard Cu wire tip, grade M-1, submerged beneath ceramic flux. The possibility of alloying the weld metal with Cr, Mn, Mo, Ti, Zr, Be, and other elements by introducing a precipitating deoxidizer (Al) into the flux, as well as alloying components in the form of powders of pure metals or Cu alloys, was checked. The slag-forming portion of the flux consists of the following exceedingly simple components (in percent): Al_2O_3 16.00, B_2O_3 14.25, SiO_2 23.10, CaO 8.90, MgO 7.65, CaF_2 21.00, Na_2O 9.10. It was found that the weld metal is capable of being alloyed by

Card 1/2

137-58-1-864

Automatic Ceramic-flux (cont.)

these elements within a broad range, and Ti, Zr, and Be induce a transformation in the weld metal and the Al. Automatic submerged welding of Br.Kh-1 bronze yields tight seams without pores or cracks, having the same strength as the parent metal. The procedure for welding Br. Kh-1 bronze 5.5 mm in thickness is: 450-500 amp current, 38-40 v arc potential, 21-22 m/hr welding speed, graphite backing having shaping grooves. The resistance to formation of hot cracks is several times greater in submerged-arc welding than it is when fused fluxes AN-20 and OSTs-45 are employed.

G.N.

1. Copper alloys--Welding 2. Submerged melt welding--Automation

Card 2/2

PROKHOROV, N.N.; ARUTYUNOVA, I.A.

Quantitative test specimens for the determination of the technological strength of metals in the crystallization process. Avtom. svar. 17 no.7:6-10 J1 '64. (MIRA 17:8)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Bauman.

ARUTYUNOVA, I. A., Cand Tech Sci -- (diss) "Research into processes of automatic welding of copper and copper alloys with ceramic fluxes." Moscow, 1960. 16 pp; with graphs; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin and Order of Labor Red Banner Higher Technical College im Bauman); 150 copies; price not given; (KL, 17-60, 150)

L 16380-65 EWT(m)/EWP(w)/EWA(d)/EPR/EWP(t)/EWP(k)/EWP(b) Pf-L/Ps-L TTP(c)/
ACCESSION NR: AP4041859 ANDIF- 00/24 8/0125/64/000/007/0006/0010

AUTHOR: Prokhorov, N. N. (Doctor of technical sciences); Antyunova, I. A.
(Candidate of technical sciences)

TITLE: Quantitative testing for the determination of the mechanical and physical
strength of metals in the process of crystallization

SOURCE: Avtomaticeskaya svarka, no. 7, 1964, 6-10

TOPIC TAGS: quantitative test, deformation, rigidity, crack formation, Al, Fe,
Nimonic

ABSTRACT: The authors propose a new quantitative method according to which the successively decreased inner deformation as a result of increasing the rigidity of the specimens is taken into account. Fe-Al and Nimonic sheets were welded in the direction of the widening of the plates. A crack forms at the intersection of the joint and the molten pool following the axes of the columnar crystallites and spreading subsequently along their joint in the center of the weld. The crack on each of the specimens forms at the onset of the joint only to disappear towards its end. Thus, at the early stage of welding of each successive plate, the formation of a new crack is observed in accordance with the circumstances determined by the

Card 1/2

L 16380-65

ACCESSION NR: AP4041859

rigidity of that plate and the welding conditions. Orig. art. has: 9 figures. /

ASSOCIATION: MVTU in Bauman

SUBMITTED: 27Jul63

ENCL: 00

SUB CODE: 1M

NO REF SOV: 004

OTHER: 000

Card 2/2

BELYAYEVA, M.A.; GOLOVA, Z.S.; IVANOVA, A.P.; ~~ARUTYUNOVA, K.M.~~; VOLODIN, N.V.,
redaktor; PORTYANSKIY, B.S., izdatel'skiy redaktor; NATAPOV, M.I.,
tekhnicheskii redaktor

[Collection of technical texts in the English language; a textbook
for higher schools] Sbornik tekhnicheskikh tekstov na angliiskom
iazyke; uchebnoe posobie dlia vtuzov. Pod red. N.V.Volodina. Moskva,
Izd-vo lit-ry na inostr. iazykakh, 1956. 599 p. (MLR 10:10)

(Technology)

(English language--Textbooks for foreigners--Russian)

L 18952-65 DWT(m)/EPF(c)/EWF(j)/T Pc-L/Pr-L RM

ACCESSION NR: AP4049423

S/0316/64/000/001/0069/0075

AUTHOR: Gurevich, V. R.; Dallin, M. A.; Arutyunova, K. M.

TITLE: Polymerization of ethylene on a chromium oxide catalyst. Report No. 2. Influence of temperature on the activity of the catalyst, on the catalyst and molecular weight of the polymer.

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1964, 59-75

TOPIC TAGS: polyethylene; ethylene polymerization; polymerization catalyst; chromium oxide catalyst; catalyst activity; catalyst poison

ABSTRACT: The purpose of the work was to systematize and refine the data on the influence of the reaction temperature on the polymerization rate of ethylene at 100-175C and on the molecular weight of the polymer obtained. Most of the experimental data were obtained by statistical treatment of a series of experiments. It was shown that the temperature dependence of the reaction rate in the 100-175C range consists of three sections with different activation energies. In the 115-145C interval, the reaction rate was shown to be determined by diffusional retardation. A relationship was derived for the variation of the polymerization rate with the temperature and concentration of the catalyst poisons in the reaction zone. The influence of the reaction temperature and concentration of the catalyst poisons

Card 1/2

L 18952-65

ACCESSION NR: AP4049423

in the reaction zone on the molecular weight of the polymer was also investigated.
Orig. art. has: 8 figures and 7 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: 00

NO REF SOV: 013

OTHER: 001

Cord 2/2

ARUTYUNOVA, I.B.

Using the infrared absorption spectrum method for analyzing the
polymorphism of the higher fatty acids of C14 and C22. Trudy
GIP [Gruz.] no.5:62-t6 '62. (MIRA 17:10)

KANDELAKI, B.S.; ARUTYUNOVA, L.B.; TSINAURI, T.M.

Luminescence method for determining the taste of black tea.
Izv.vys.ucheb.zav.; pishch.tekh. no.4:165-167 '59.
(MIRA 13:2)

1. Gruzinskiy politekhnicheskiy institut imeni V.I.Lenina.
Kafedra fizicheskoy i kolloidnoy khimii.
(Tea)

KANDELAKI, B.S.; ARUTYUNOVA, L.B.; KACHAKHIDZE, T.G.; NORAKIDZE, T.K.;
TEVZADZE, K.P.

Objective methods of evaluating the quality of black tea.
Izv.vys.ucheb.zav.; pishch.tekh. no.6:130-135 '59.
(MIRA 13:5)

1. Gruzinskiy politekhnicheskiy institut imeni V.I.Lenina.
Kafedra fizicheskoy i kolloidnoy khimii,
(Tea--Analysis)

ARUTYUNOVA, L.B.

Polymorphism of higher normal fatty acids, as studied by differential thermal analysis and infrared absorption spectra.
Zhur. struk. khim. 1 no.2:145-150 J1-A; '60. (MIRA 13:9)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova
AN SSSR i Institut kristallografii AN SSSR.
(Acids, Fatty--Spectra)

S/020/60/135/004/019/037
B016/B052

AUTHORS: Arutyunova, L. B. and Ravich, G. B.

TITLE: Combined Micrometric and Spectroscopic Study of the Polymorphism of Higher Fatty Acids

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 4, pp. 837-839

TEXT: The authors report on a combined thermal and spectroscopic analysis of stearic, palmitic, and oleic acid, and find this method to be well suited for studying polymeric organic compounds. The MKC-14 (IKS-14) apparatus used for this purpose was completed by various attachments. The authors thank G. I. Distler, Head of the gruppa opticheskikh tekstur (Group of Optical Textures) of the Institut kristallografi AN SSSR (Institute of Crystallography, AS USSR), who put this apparatus at their disposal. Thermograms of thin layers of the above acids were taken (methods explained in Ref. 7) and recorded by an electronic recording instrument of the type ЭПП-09 (EPP-09) adapted for that particular purpose. The following important results are stated: A distinct exothermic effect appears on the heating curve of a polycrystalline stearic acid film at 49°C. Therefore,

Card 1/3

Combined Micrometric and Spectroscopic Study
of the Polymorphism of Higher Fatty Acids

S/020/60/135/004/019/037
B016/B062

the authors consider the conversion character of stearic acid to be irreversible. The same holds for palmitic acid which shows a similar effect at 42°C (Fig. 1). With oleic acid, by contrast, an endothermic effect was established between 20° and 20.5°C, which confirms the data of a previous paper by G. B. Ravich and coworkers (Ref. 1). On the strength of further differences established between the spectra of the stable β -phase and the unstable α -phase of stearic and palmitic acids, as well as of the molecular compound of these two acids, the authors state that the latter is bound to be polymorphic as well. Only the band 724 cm^{-1} which, in contrast to stearic acid in the molecular compound, is not split, requires a special discussion. The distinct difference between the spectra of the modifications of oleic acid (especially of the phase converting at 20.5°C) is explained by the authors as follows: One of the liquid-crystalline phases, as are characteristic of aliphatic compounds with a long chain, especially of oleic acid soaps (Ref. 10), is believed to exist here. Papers by G. B. Ravich, V. A. Vol'nova, and T. N. Kuz'mina (Ref. 1), and M. V. Vol'kenshteyn (Refs. 8, 9) are mentioned. There are 2 figures and 11 references: 5 Soviet, 4 British, 1 Danish, and 1 Dutch.

Card 2/3

Combined Micrometric and Spectroscopic Study
of the Polymorphism of Higher Fatty Acids

S/020/60/135/004/019/037
B016/I062

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova
Akademii nauk SSSR (Institute of General and Inorganic
Chemistry imeni N. S. Kurnakov, Academy of Sciences USSR)

PRESENTED: June 25, 1960, by I. I. Chernyayev, Academician

SUBMITTED: February 9, 1960

Card 3/3

ARUTYUNOVA, L. B.

Cand Chem Sci - (diss) "Complex differential-thermal and spectroscopic study of higher fatty acids." Tbilisi, 1961. 16 pp; (Order of Labor Red Banner Georgian Polytechnical Inst imeni V. I. Lenin, Academy of Sciences USSR, Inst of General Inorganic Chemistry imeni N. S. Kurnakov); 250 copies; price not given; (KL, 10-61 sup, 206)

ARUTYUNOVA, L.B.; RAVICH, G.B.

Study of infrared spectra in the polymorphic transformation of
tristearin. Dokl. AN SSSR 148 no.1:89-90 Ja '63. (MIRA 16:2)

1. Gruzinskiy politekhnicheskiy institut im. Lenina i Institut
obshchey i neorganicheskoy khimii im. Kurnakova AN SSSR. Pred-
stavleno akademikom I.I. Chernyayevym.
(Stearin—Spectra)

ARUTYUNOVA, L.B. (Tbilisi)

Combined microthermal and spectroscopic study of higher fatty acids. Zhur. fiz. khim. 37 no.11:2413-2419 N'63. (MIRA 17:2)

1. Gruzinskiy politekhnicheskii institut imeni Lenina.

ARUTYUNOVA, L.S.

Arutyunova, L.S. "The fact of somatic reduction in the amphidiploid of the cotton plant *G. herbaceum*, L. x *G. arboreum*, L. (2n-52). *Izvestiya Akad. nauk UzSSR*, 1948, No. 3, p. 91-95, (Resume in Uzbek), Bibliog: 5 items.

SO: U-3042, 11 March 53, (*Leopis 'nykh Statey*, No. 5, 1949)

ARUTYUNOVA, I. G.

Arutyunova, I. G. and Gubanov, G. Ya. "On the causes of destruction of crops in the inter-species of hybridization of cotton plants," Doklady Akad. nauk' UzSSR, No. 8, 1948, p. 17-22.

SO: U-3850, 16 June 53, (Letopis' Zhurnal'ny'h Statey, No. 5, 1949).

ARUTYUNOVA, L. G.

Arutyunova, L. G.: "On the re-establishment of fertility in distant hybrids of the cotton plant", Doklady Akad. nauk UzSSR, No. 9, 1948, p. 19-24, (Resume in Uzbek), - Bibliog: 6 items.

ARUTYUNOVA, L.G. 1 KANASH. M.S.

25828

Ulychnost'khlopchat nika. Seleksiya i samenovodstvo, 1949, No. 8. s. 22-29.

SO: Letopis' No. 34

ARUTYUNOVA, L. G.

Hereditary changes in the cotton plant through the effect of pollen from different species. Agrobiologiya, no. 3, 1952. Kandidat biologicheskikh nauk. Tsentral'naya selektsionnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta khlopkovodstva, g. Tashkent

SO: MLRA September 1952.

AKI 100000, - 600

1. ПУДОВИНА, З., Ин. к. ф., М., АНТУНОВИЧ, Л.

2. VSCR (600)

4. Cotton

7. Methods for increasing the yield potential of seeds and the technological properties of cotton fibers, Koyadstvo No. 6, 1961.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

USSR / General Biology. Genetics. Plant Genetics.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14431

Author : Arutyunova, L. G.

Inst : Not given

Title : The Method of Hybridizing Distantly Related Varieties in the Selection of Cotton

Orig Pub : V. sb.: Materialy Ob'yedinen, nauch. sessii po khlopkovodstvu. T. 2. Tashkent. Gosidzat UzSSR, 1958, 15-20

Abstract : Hybridization of some distant varieties of cotton are described in short and the obtained hybrids are examined from the aspect of cytoembryology. The author draws the conclusion that even though the pollen of distant species and varieties of the mallow family does not germinate at the stigma of pollinated

Card 1/2

USSR / General Biology. Genetics. Plant Genetics.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14431

cotton plants, it nevertheless affects the hybrids' crossbreed vigor by the action of the fluid discharged by pollen at the stigma. The author indicates that the method of heterologous pollination permits: 1) to obtain crossbreed generations by an interbrand hybridization; 2) differentiate varieties according to their hereditary properties; 3) decrease the depressiveness of interspecific hybrids in F₂. -- S. Ya. Krayevoy

Card 2/2

USSR / Cultivated Plants. Plants for Technical Use. M
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24956

Author : Arutyunova, L. G.

Inst : Not given

Title : Effect of Castration on Settling the Seeds
and Boles of the Cotton Plant

Orig Pub : Vestn. s.-kh. nauki, 1958, No 4, 33-39

Abstract : At the morning castration of the cotton-plant
flowers, in comparison with the evening
castration, the percent of growing pollen
tubes is increased, and the germinating process
of pollen and size of the pollen tubes proceed
more actively. Formation of boles and seeds
is improved if only the anther is removed.
The parts of the flower, removed by castration,

Card 1/3

USSR / Cultivated Plants. Plants for Technical Use. M
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24956

in pollination by the pollen mixture. During
inner- and inter-variety crossing, it is
recommended to utilize remote species as
components of pollen mixtures. -- N. N.
Konstantinov

Card 3/3

DADABAYEV, A.D., akademik, glavnyy red.; KANASH, S.S., akademik, zamestitel' glavnogo red.; UCHEVATKIN, F.I., otv.red.; AVTONOMOV, A.I., red.; ALEKSANDROV, A.S., kand.sel'skokhoz.nauk, red.; ARUTYUNOVA, L.G., kand.biol.nauk, red.; VELIYEV, I.M., kand.sel'skokhoz.nauk, red.; KASSIRSKIY, A.A., red.; KRASICHKOV, I.P., akademik, red.; MAKSIMENKO, I.K., akademik, red.; MAL'TSEV, A.M., red.; MANNANOV, N.M., akademik, red.; MUKHAMEDZHANOV, M.V., akademik, red.; SADYKOV, S.S., red.; STRAUMAL, B.P., kand.sel'skokhoz.nauk, red.; SHAFRIN, A.N., zasluzhennyy agronom Uzbekskoy SSh, red.; KURANOVA, L.I., red.; MEDOVAR, TS.I., red.; SOROKINA, Z.I., tekhn.red.

[Materials of the All-Union Conference on Cotton Breeding and the Production of Cottonseed] Materialy Vsesoiuznogo soveshchaniya po selektsii i semenovodstvu khlopchatnika. Tashkent, Uzbekskaya Akad.sel'khoz.nauk, 1960. 383 p. (MIRA 13:11)

1. Vsesoyuznoye soveshchaniye po selektsii i semenovodstvu khlopchatnika. 2. Uzbekskaya Akademiya sel'skokhozyaystvennykh nauk (for Dadabayev, Mannanov, Mukhamedzhanov). 3. Vsesoyuznaya akademiya sel'skokhoz.nauk im. V.I.Lenina (for Kanash). 4. AN UzSSR (for Kanash, Mukhamedzhanov). 5. Chlen-korrespondent Uzbekskoy Akademii sel'skokhoz.nauk (for Uchevatkin). 6. Chleny-korrespondenty AN UzSSR (for Avtonomov, Mal'tsev, Sadykov). 7. AN Tadzh.SSR (for Krasichkov, Maksimenko).

(Cotton breeding--Congresses) (Cottonseed)

ARUTYUNOVA, L.G.; TESHABAYEV, K.A.

Effect of various graft-stock on the heredity in the hybrid progeny
of cotton. Agrobiologiya no.1:26-31 Ja-F '62. (MIRA 15:3)

1. Nauchno-issledovatel'skiy institut selektsii i semenovodstva
khlopchatnika, g. Tashkent.
(Cotton breeding) (Grafting)

LYUBUSHKIN, V.T.; SAKHIYEV, I.S.; ARUTYUNOVA, L.S.

Physical properties of corn flakes. Izv. vys. ucheb. zav.;
pishch. tekhn. no.6:46-47 '63. (MIRA 17:3)

1. Moskovskiy tekhnologicheskoy institut pishchevoy promysh-
lennosti, kafedra promyshlennoy pererabotki kukuruzy.

MTV³AIASHVILI, G.; ARUTYUNOVA, M.

Determining the geological age of lead ore by isotope analysis.

Trudy Tbil. GU no.62:223-228 '57.

(MIRA 11:7)

1. Tbilisskiy gosudarstvennyy universitet imeni Stalina, kafedra
obshchey fiziki.

(Lead ore) (Nuclear geophysics)

VERKHOVSKAYA, I.N.; ARUTYUNOVA, M.B.

Effect of radiation of radioactive substances on function of the isolated frog heart. Izv. Akad. nauk SSSR; Ser. Biol. no.6:98-110 Nov-Dec 1953.

(CML 25:5)

1. Laboratory of the Biophysics of Radiation and Isotopes attached to the Division of Biological Sciences of the Academy of Sciences USSR.

SAAKYAN, A.G.; ARUTYUNOVA, N.L.; NIKOLAYEVA, Ye.A.

Comparative study of the effect of penicillin, streptomycin and chlortetracycline on the motor activity of the gastrointestinal tract in patients with chronic infectious colitis. Antibiotiki 10 no.2:170-173 F '65. (MIRA 18:5)

1. Gastroenterologicheskaya otdeleniye Yessentukskoy kliniki (glavnyy vrach A.F.Buchkov) Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii.

SAAKYAN, A.G.; ARUTYUNOVA, N.I.; NIKOLAYEVA, Ye.A.

Effect of the vitamins B₁, B₆, B₁₂ and C on the motor activity of the stomach, the small and the large intestines in patients with chronic enterocolitis and colitis. Vop. pit. 23 no.5:45-50 E-O '64. (MIRA 18:5)

1. Gastroenterologicheskoye otdeleniye (zav. - kand.med.nauk A.G.Saakyan) Yessentukskoy kliniki Pyatigorskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii.

ARUTYUNOVA, N.M.

Composition of bottom depositions in the northern part of the
Caspian Sea. Trudy COIN no.34:161-187 '57. (MLRA 10:9)
(Caspian Sea--Sedimentation and deposition)

NABIYEV, M.N., akademik; VISHNYAKOVA, A.A.; BAZILEV, V.D.; AKMAYEV, Kh.M.;
KAMILOV, A.; RASULEVA, Sh.; ARUTYUNOVA, N.M.

Increasing the degree of phosphate decomposition by a partial
substitution of nitric acid for sulfuric acid and ammoniation of
chamber superphosphate. Uzb.khim.zhur. no.4:3-10 '61.

(MIRA 14:8)

1. Institut khimii AN Uzbekskoy SSR. 2. Akademiya nauk Uzbekskoy
SSR (for Nabyev).

(Phosphates)

SARKISYAN, S.G.; KLENOVA, L.T.; ARUTYUNOVA, N.M.; DEMIDOV, A.A.;
SOLOVYEV, A.N., otv. red.

[Conditions governing the formation of the Lower
Carboniferous terrigenous layer of Kuybyshev Province]
Usloviia obrazovaniia terrigennoi tolshchi nizhnego kar-
bona Kuibyshevskoi oblasti, Tatarii i Bashkirii. Moskva.
Izd-vo "Nauka," 1964. 77 p. (MIRA 1 7)

MAKAROVA, Tamara Vil'gel'movna; GORNSHTEYN, N.A., starshiy geolog;
Prinimali uchastiye: LACHINOVA, I.G., starshiy tekhnik-geolog;
ARUTYUNOVA, O.I., starshiy laborant; PATRIKI, V.I., starshiy
kollektor; NOSAL', V.I., red.

[Permian sediments in the central provinces of the Russian
Platform] Permskie otlozheniia tsentral'nykh oblastei Russkoi
platformy. Pod red. V.I.Nosal'. Leningrad, Gos.nauchno-tekhn.
izd-vo neft. i gorno-toplivnoy lit-ry, Leningr.ctd-nie, 1957.
122 p. (MIRA 12:7)

(Russian Platform--Geology, Stratigraphic)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102310012-1

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102310012-1"

ARUTYUNCVA, O. I.

Arutyunova, O. L. : "The effect of additives on the process of reforming the distillate of thermal cracking." Min Higher Education USSR. Azerbaydzhan Order of Labor Red Banner Industrial Inst imeni M. Azizbekov. Baku, 1956.

So: Knizhanya letopis' No 27, 1956. Pages 94-109;111

S/081/61/000/009/010/015
B101/B203

AUTHORS: Oborin, V. I., Ostrikov, M. S., Rostovtseva, I. V.,
Arutyunova, O. L.

TITLE: Effect of porosity of silicate catalysts on the cracking and
reforming of petroleum products

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1961, 452, abstract
9M166 (9M166) ("Sb. tr. mezhvuz. soveshchaniya po khimii
nefti", 1956; M., Mosk. un-t, 1960, 177-193)

TEXT: Magnesium silicate (MS) and aluminosilicate (AS) catalysts of
different porosities were prepared by means of drying in the presence of
surface-active substances (isoamyl-, cyclohexyl-, and octyl alcohol, as
well as butyric, oleic, and naphthenic acids). An investigation of the
porosity and the distribution of pores with respect to their radii, as
well as of the activity of MS catalysts, showed that the presence of
transition pores with a radius of 25-40 Å was necessary for the cracking
of gasoil from Groznyy petroleum. In their absence, the activity of MS

Card 1/2

Effect of porosity of silicate...

S/081/61/000/009/010/015
B101/B203

catalysts drops by about the 1.5-fold. A development of larger pores with radii of up to 70 Å reduces the specific surface of the MS catalyst, and therefore its activity does not increase so much. The reforming of the stable cracking distillate in the presence of the propane propylene fraction under pressure proceeds better on a coarse-pored AS catalyst than on a fine-pored one. This is explained by better accessibility of the active surface to the reacting molecules. [Abstracter's note: Complete translation].

Card 2/2

S/081/52/000/006/099/117
B162/B101

AUTHORS: Dorogochinskiy, A. Z., Bashilov, A. A., Chertoryzhskiy, A. V.,
Arutyunova, O. L., Krechetova, P. I., Shestak, N. P.

TITLE: The problem of the choice of solvent for polymerization of
ethylene into polyethylene at low pressure

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 614, abstract
6P35 (Tr. Groznensk. neft. in-t, v. 3, sb. 25, 1961, 17-29)

TEXT: An investigation is made of the possibility of using extraction
benzine as a solvent for ethylene when polymerizing it into polyethylene
at low pressure. It is shown that the following are suitable: an extrac-
tion benzine fraction evaporating at 65-90°C with an aromatic hydrocarbon
content of 3.8% before de-aromatization and of 0.7% after de-aromatization,
or a fraction evaporating at 75-95°C in the case of which de-aromatization
is not needed (aromatic hydrocarbon concentration 0.7%). It is shown that
the presence of aromatic hydrocarbons has no effect on the polymerization
process, but impairs the regenerability of the solvent. [Abstracter's
note: Complete translation.]

Card 1/1

TITLE: Evaluating the compatibility of polymers

Author: AD 3331. D. G. G. v. 12, p. 1, 1971.

TOPIC TAGS: polymer, thermodynamic property, polyethylene, toluene, inert gas, solubility, viscosity, thermal treatment, etc.

ABSTRACT: Experimental investigation was conducted to determine the compatibility of polymers with various solvents. The study involved measuring the solubility of polymers in different solvents and the effect of temperature on solubility. The results showed that the solubility of polymers is highly dependent on the nature of the polymer and the solvent. The study also investigated the effect of thermal treatment on the solubility of polymers. The results showed that thermal treatment can significantly affect the solubility of polymers. The study was conducted using a variety of polymers and solvents, and the results were compared with those of previous studies. The study was conducted in a laboratory setting and the results were used to develop a method for evaluating the compatibility of polymers with various solvents. The method involves measuring the solubility of polymers in different solvents and the effect of temperature on solubility. The results of the study can be used to predict the compatibility of polymers with various solvents and to develop methods for improving the compatibility of polymers with various solvents.

1. The purpose of this study is to determine the compatibility of polymers with various solvents. The study involves measuring the solubility of polymers in different solvents and the effect of temperature on solubility. The results of the study can be used to predict the compatibility of polymers with various solvents and to develop methods for improving the compatibility of polymers with various solvents.

Page 1

L 33532-65

ACCESSION NR: AP5004203

$$\eta_{abs}^{calc} = L\omega_1^2 + N\omega_1 + P, \text{ where}$$

W

$$L = (A_1' + A_1'')C^2 - 2K[\eta_1][\eta_2]C$$

$$N = \eta_{abs}' \eta_{abs}'' - L, P = \eta_{abs}'$$

and η_{abs}' , η_{abs}'' are calculated viscosities, also shows no additivity.

Optical density of a coated film was studied with an SF-6 spectrometer at a wave-length of 436 mμ (see Fig. 2 on the back cover). It was determined that the system is thermodynamically stable and that the system is composed of a mixture of polyethylene glycol, polyethylene glycol, and polyethylene glycol.

NOTE: All data are given in the form of a table on the back cover.

NO. 33532-65

OTHER: 33532-65

NO. 33532-65

ACCESSION NO: AF6004203

ENCLOSURE 1

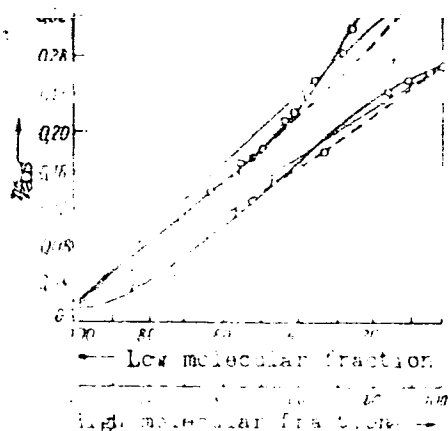


Fig. 1. Curves showing absolute viscosities of mixtures of two high-pressure polyethylene fractions: 1-C = 0.22%; 2-C = 0.41%

Page 3/4

ACCESSION NO: AP5006203

ENCLOSURE: 10

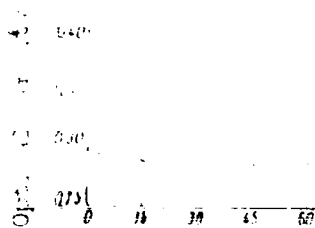


Fig. 2. Dependence of the optical density of film made of mixtures on the wavelength of light. The mixture consists of 10% of the substance in question and 90% of the solvent.

BAZYKA, A.P.; ARUTYUNOVA, S.S.

Early diagnosis and prophylaxis of candidomycosis following
the use of antibiotics. Zdrav.Turk. 3 no.2:6-10 Mr-Apr '59.
(MIRA 12:8)

1. Iz Turkmenskogo nauchno-issledovatel'skogo kozhno-
venerologicheskogo instituta (dir. - dots.N.F.Rodyakin).
(MONILIASIS) (ANTIBIOTICS)

ARUTYUNOVA, S.S., mladshiy nauchnyy sotrudnik; BAZYKA, A.P., starshiy
nauchnyy sotrudnik

Disseminated chronic deep trichophytosis. Vest.derm. i ven.
33 no.3:27-30 My-Je '59. (MIRA 12:9)

1. Iz Turkmenskogo kozhno-venerologicheskogo nauchno-issledovatel'-
skogo instituta (dir. - doktor meditsinskikh nauk N.F.Rodyakin).

(RINGWORM, case reports

disseminated chronic deep infect. due to
Trichophyton violaceum (R₁₁₈))

ARUTYUNOVA, S.S.; SHABASHKEVICH, P.G.

Treatment of trichomycosis with epilin. Zdrav. Turk. 7 no.4:
36-40 Ap'63. (MIFA 16:6)

1. Iz Turkmenskogo nauchno-issledovatel'skogo instituta kozh-
nykh bolezney (dir. - M.E.Ereshov, nauchnyy rukovoditel' -
prof. N.F.Rodyakin) i Ashkhabadskogo gorodskogo kozhno-ve-
nerologicheskogo dispansera (glavnyy vrach - I.D.Ieyvi)
(HAIR—DISEASES) (EPILIN)

ARUTYUNOVA, S.S.

Griseofulvin therapy of dermatomycosis. Vest. dermat. i ven. 37
no.9:83-85 9 '63. (MIRA 17:6)

1. Turkmenskiy nauchno-issledovatel'skiy institut kozhnykh
bolezney (dir. - kand. med. nauk M.M. Erekhov, nauchnyy rukovo-
ditel' - prof. N.F. Rodyakin).